



3-17-04

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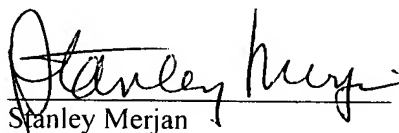
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Merjan and Dougherty
Application Serial Number 10/730,385
Filed 12/08/03
Piling

Preliminary Remarks and Disclosure Statement

Attached hereto is an Information Disclosure Statement sheet with copies of documents cited therein. Except for the additions noted below, it includes all the references of record in the parent applications. The pages (AA) of the Foundation Construction" book are those mentioned in columns 1 lines 33-35 of the parent patent. The three photographs (AB) show tapered transmission towers, in public use, which are made of sheet steel folded into convex 12-sided regular polygonal; cross-section. The declaration (filed in applicants' 2001 parent patent) shows public use prior to April 2001. The additional items, referred to above, are three patents cited by the Examiner in applicants' parent application 10/241,962 and articles by Kodikara, Rybnikov, and Sil'berberg et al.

Claim 3 of this application is very similar to claim 3 of said parent application 10/241,962 held by Examiner to be directed to allowable subject matter.


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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

3.16.04

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SHEET 1 OF 1

APPLICATION NUMBER

10/730,385

FILING DATE

12/08/03

FIRST NAMED INVENTOR

MERJAN

ART UNIT

3673

EXAMINER NAME

Jong-Suk (James) Lee

ATTORNEY DOCKET NO.

U.S. PATENT DOCUMENTS

EXAM INITIALS	CITE #	DOCUMENT NUMBER	PUB DATE MM-DD-YYYY	NAME OF PATENTEE
	A	2,983,104	05/09/1958	BRUNS
	B	34,222,630	01/21/1969	MARIER
	C	6309143B1	10/30/2001	MERJAN-DOUGHERTY
	D	5,975,808	11/02/1999	FUJITA
	E	5,462,317	10/31/1995	KELLER
	F	5,438,812	08/08/1995	ERICKSON
	G	4,322,181	03/30/1982	STREICH
	H	3,664,139	05/23/1972	SEXAUER
	I	4,239,419	12/16/1980	GILLEN
	J	3,865,498	02/11/1979	OKUTA
	K	3,779,025	12/18/1973	GODLEY
	L	3,668,871	06/13/1972	FUENTES
	M	3,421,781	01/14/1969	SPURK
	N	3,217,459	09/17/1962	MEYER
	O	3,199,300	08/10/1961	IORE
	P	3,034,209	05/15/1957	BIANCA
	Q	2,924,949	02/16/1960	SMITH
	R	2,198,989	04/30/1940	BAILEY
	S	2,065,507	12/29/1936	ALEXANDER
	T	1,954,070	04/10/1934	COOK
	U	1,074,275	09/30/1913	MAC LEAN
	V	2,926,500	03/01/1960	HOPPE
	W	2,326,872	08/17/1943	MARSDEN
	X	3,522,707	08/04/1970	FUENTES
	Y	2,168,269	08/01/1939	ORR
	Z	4,915,544	04/10/1990	LIN
	A-1	¥4,621,950	11/10/1980	KINNAN
	B-1	4,697,959	10/06/1987	KINNAN
	C-1	2,151,847	03/28/1939	GREULICH
	D-1	975,488	11/15/1910	WELSH
	E-1	3,899,891	08/19/1975	KELLY
	F-1	2,430,879	11/18/1947	KOHN
	G-1	4,018,055	04/19/1977	LE CLERCQ

FOREIGN PATENTS

FOR-1	GB2172038A	02/19/1985	BULLIVANT
FOR-2	GB2093939A	02/27/1982	BOYLE
FOR-3	EUROPE 027202075	12/15/1987	JOHN

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

AA	Pages 158 and 159 of "Foundation Construction" by A. Brinton Corson. Published 1956 by McGraw-Hill Co.
BB	Three photographs of transmission towers in public use.
CC	"Experimental Investigations of Bearing Capacity of Bored-Cast-in-Place Piles" by Rybnikov, A.M. from Soil Mechanics and Foundation Engineering, Volume 27, Issue 2, 1990, pages 48-52.
DD	"Construction of Compaction Tapered Pile Foundations" by Zil'berberg, S.D., and Shertsnev, A.D. from Soil Mechanics and Foundation Engineering, Volume 27, Issue 3, 1990, pages 96-101.
EE	"Axial Response of Tapered Piles in Cohesive Frictional Ground" by Kodikara, Journal of Geotech. Engineering, Vol. 119, No.4, April 1993